

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3054	(29/832,840).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 15:00
L2	205	L1 and barrier	USPAT; USOCR	ADJ	ON	2006/03/29 15:00
L3	98	L1 and barrier and (etch or etching)	USPAT; USOCR	ADJ	ON	2006/03/29 15:01
S1	2126	(216/13-19).CCLS.	USPAT; USOCR	OR	OFF	2006/03/24 08:00
S2	909	(216/13).CCLS.	USPAT; USOCR	OR	OFF	2006/03/24 08:03
S3	106	S1 and isotropic	USPAT; USOCR	ADJ	ON	2006/03/24 08:10
S4	2020	S1 not S3	USPAT; USOCR	ADJ	ON	2006/03/24 08:11
S5	1251	(205/118,125).CCLS.	USPAT; USOCR	OR	OFF	2006/03/24 08:15
S6	279	S4 and (barrier)	USPAT; USOCR	ADJ	ON	2006/03/24 08:55
S7	166	S5 and barrier not S6	USPAT; USOCR	ADJ	ON	2006/03/24 09:22
S8	2053	(427/97.7,117,123).CCLS.	USPAT; USOCR	OR	OFF	2006/03/24 09:22
S9	2178	(427/97.7,117,123).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/24 09:22
S10	197	S9 and barrier	USPAT; USOCR	ADJ	ON	2006/03/24 09:22
S11	220	S9 and barrier	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 09:23
S12	209	S9 and barrier not S7 not S6	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 09:36
S13	1746	(29/846,847).CCLS.	USPAT; USOCR	OR	OFF	2006/03/24 09:36
S14	2309	(29/846,847).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/24 09:36
S15	229	S14 and barrier	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 11:18

## EAST Search History

S16	3284	(29/831,835,825,830).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/29 14:59
S17	249	S16 and barrier	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 11:20
S18	2309	(29/846,847).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/24 11:20
S19	229	S18 and barrier	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 11:20
S20	182	S16 and barrier not S19	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 11:55
S21	5857	(438/618,622,629,638,642,745, 754).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/24 11:55
S22	2931	S21 and barrier	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 16:14
S23	2126	(216/13-19).CCLS.	USPAT; USOCR	OR	OFF	2006/03/24 11:59
S24	106	S23 and isotropic	USPAT; USOCR	ADJ	ON	2006/03/24 11:59
S25	2020	S23 not S24	USPAT; USOCR	ADJ	ON	2006/03/24 11:59
S26	279	S25 and (barrier)	USPAT; USOCR	ADJ	ON	2006/03/24 11:59
S27	2178	(427/97.7,117,123).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/24 11:59
S28	220	S27 and barrier	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 11:59
S29	2901	S21 and barrier not S19 not S28 not S26	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 11:59
S30	1926	S21 and barrier and (etch or etched or etching or etchant) and @py>"2001"	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/24 16:15
S31	27	("4159222"   "4236777"   "4306925"   "4566186"   "4722765").PN. OR ("5072520"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/26 09:40
S32	1	("4159222").PN.	USPAT; USOCR	OR	OFF	2006/03/26 09:41

## EAST Search History

S33	1	("4306925").PN.	USPAT; USOCR	OR	OFF	2006/03/26 09:42
S34	1	("5072520").PN.	USPAT; USOCR	OR	OFF	2006/03/26 09:42
S35	27	("4159222"   "4236777"   "4306925"   "4566186"   "4722765").PN. OR ("5072520"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/26 09:45
S36	1	("6418615").PN.	USPAT; USOCR	OR	OFF	2006/03/26 09:47
S37	1	("20020001937").PN.	US-PGPUB; USOCR	OR	OFF	2006/03/26 09:48
S38	0	("6713376").PN.	US-PGPUB; USOCR	OR	OFF	2006/03/26 09:48
S39	1	("6713376").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/26 09:49
S40	1	("5245751").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/26 09:49
S41	1	("6460247").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/26 09:50
S42	1	("6524892").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/26 09:51
S43	1	("6662442").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/26 09:52
S44	1	("6687985").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/26 09:52
S45	1	("6782610").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/26 09:53
S46	1	("6664129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/26 09:53
S47	28	(kei near imafuji or tadashi near kodaira or takeshi near chino or jyunichi near nakamura or miwa near abe).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/26 09:55
S48	938	(228/180.22).CCLS.	USPAT; USOCR	OR	OFF	2006/03/28 08:43

## EAST Search History

S49	191	S48 and barrier	USPAT; USOCR	ADJ	ON	2006/03/28 08:49
S50	2781	(etch or etching) same (bump)	USPAT; USOCR	ADJ	ON	2006/03/28 09:02
S51	332	(etch or etching) same (bump) same base	USPAT; USOCR	ADJ	ON	2006/03/28 09:02
S52	30	("1709327"   "2250436"   "2854336"   "2984595"   "3181986"   "3414487").PN. OR ("4125441"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/28 09:05
S53	2	("1709327").PN.	USPAT; USOCR	OR	OFF	2006/03/28 09:45
S54	73	("1709327"   "2250436"   "2854336"   "2984595"   "3181986"   "3414487"   "4116517"   "4125310"   "4125441"   "4453795"   "4813129").PN. OR ("4125441"   "5207887"   "5326412").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/28 11:14
S55	931	(438/613).CCLS.	USPAT; USOCR	OR	OFF	2006/03/28 12:23
S56	271	S55 and barrier	USPAT; USOCR	ADJ	ON	2006/03/28 12:25
S57	209	S55 and barrier and (etch or etching)	USPAT; USOCR	ADJ	ON	2006/03/28 12:25
S58	91	S55 and barrier and (etch or etching) and base	USPAT; USOCR	ADJ	ON	2006/03/28 12:26